

GENERAL INSTRUCTIONS

This form shall be submitted for any application to drill for, test, extract, produce, dispose and/or utilize the actual geothermal resources on Federally leased land or lands covered by a unit or cooperative agreement.

SPECIFIC INSTRUCTIONS

Item 1C: Show the current status for existing wells: I=injecting, F=flowing, P=pumping, HE=heat exchange, SI=shut-in, WS=water supply, OB=observation, O=other (*explain*).
Item 7: Number wells using the Modified Kettleman Well Numbering System (*see below*).
Item 15: Show the surface location coordinates from the nearest section corner or tract lines and if the well is to be directionally drilled, the proposed production zone coordinates (*top and bottom*) from the surface location.
Item 19: Indicate reference datum from which measurement was made (*see item 20*).
Item 20: If the reference datum shown is not the graded mat, also show the measurement from

the mat surface (*e.g., mat-to derrick floor (DF) measurement, mat-to-rotary table (RT) measurement, mat-to-kelly bushing (KB) measurement, etc.*).

Item 21: For subsequent well work the latest well conditions along with all proposed additions and changes **must** be shown. To show current well conditions, either fill out this item or attach the latest completion report on the subject well.

Item 22: Summarize other pertinent existing data such as producing and injecting zones, type, size, and density of perforations and perforated intervals, etc., in addition to the proposed work. Indicate reasons for changes undertaken.

PROCEDURE FOR NUMBERING GEOTHERMAL WELLS USING THE MODIFIED KETTLEMAN WELL NUMBERING SYSTEM

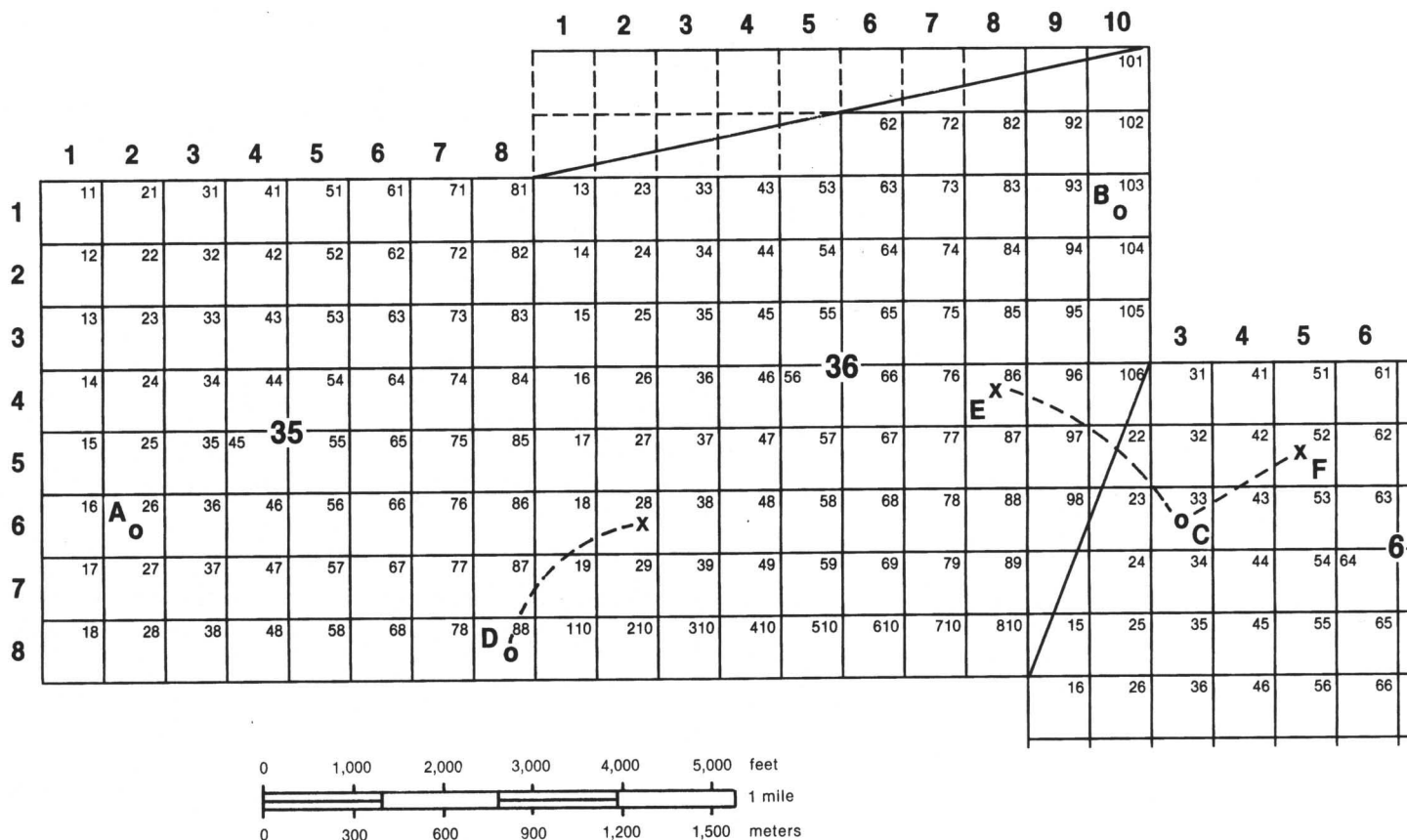
1. Subdivide the sections where the wells are to be located into 10-acre (660 feet x 660 feet) subdivisions. Number each horizontal and vertical subdivision starting in the northwest corner of each section with 1. 1 and increasing to the east and south. A regular 640-acre section contains 64 subdivisions numbered from 11 to 88 (*vertical digit first, followed by horizontal digit*).
2. Number the first vertical well with the number of the 10-acre subdivision in which it is located, followed by the section number. (*See Examples "A", "B", and "C", below.*) If the first well is directionally drilled, number it with the subdivision number of its surface location, followed by the subdivision number in which the bottom of the completion interval lies and that section number (*If different from the surface section number*), and followed by the surface sec-

tion number. (*See Example "D"*.)

3. Subsequent wells drilled from the same 10-acre surface location are numbered in the manner described above with an A, B, C, etc., added following the surface subdivision number. (*See Examples "E" and "F"*.)

4. For sections with irregular boundaries, align a 10-acre grid pattern North-South, running through the westernmost section point or line, and East-West, running through the northernmost section point or line. Number wells according to the 10-acre grid, subdividing as far as possible to the east and south.

Example A 26-35 Example D Directional 88(28-36)-35
Example B 103-36 Example E Directional 33A(86-36)-6
Example C 33-6 Example F Directional 33B(52)-6



NOTICE

The Paperwork Reduction Act of 1995 requires us to inform you that:

We are collecting this information to allow us to evaluate the technical, safety, and environmental factors involved with geothermal resources on Federal geothermal leases.

This information will be used to analyze and approve operations.

Response to this request is mandatory only if you want to initiate drilling operations on a geothermal lease.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 10 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0132), Bureau Information Collection Clearance Officer, (WO-630), 1849 C Street, Mail Stop 401 LS, N.W., Washington, D.C. 20240.